



SECRET/SECURITY INFORMATION

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were three oil tanks, each of 100 tons capacity. There were other derricks. The oil was pumped from the wells through pipes to storage tanks, and from the tanks through large pipes to some other place.

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Production and Operation

4. [redacted] best well produced about 50 tons of oil in 24 hours. [redacted] found oil at a depth of 1200 meters. [redacted] drilling speed was, on the average, 90 meters in 24 hours. Drilling was fast for the first 100-200 meters through sand and clay, but when [redacted] reached 1,000 m depth, drilling was very slow, about 10 cm per eight hours. [redacted] changed drills twice in eight hours.

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Equipment and Organization

5. The main difficulty [redacted] came from [redacted] drill pipes; they were old and constantly wearing out. Drilling was done 24 hours a day in summer, and in winter in three shifts of eight hours each. A crew of five men worked on each shift: the driller, driller's assistant, the rigger, motorman and laborer. Each derrick had four tractor Diesel motors, which also generated electricity. The Diesels were of Russian Uralmachine construction, 300-350 HP each. They worked 1,200 hours without repair. After that, they had to be replaced. Equipment, drill pipes, drill rods, etc, were transported by new Chtz tractors /Chelabinskii Traktorniy Zavod/ and by Zis three-ton trucks. No trucks could be used in winter time because of the dirt roads.
6. Two systems of drilling were used: the turbine system and the rotary system. The drill pipes used were six inches and eight inches in diameter. The drills were from 5.75 cm to 25.75 cm in size, the largest size being used for initial surface drilling. At 1,000 meters' depth the drills often broke but [redacted] always managed to recover them.

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Wages and Workers

7. With the exception of the director of the oil fields, who was a Russian, all workers and drillers were Tatars. They liked this work because they could earn more money at the oil fields than on the kolkhozes. The oil field laborer earned 500 rubles a month, and [redacted] a driller [redacted] was paid 980 rubles a month. From this sum [redacted] pay two percent for the income tax, and, in addition, [redacted] 1,000 rubles per year to the government loan. [redacted] had been told that the loan subscription was voluntary, yet [redacted] were allotted certain sums according to [redacted] salaries. [redacted] got a good salary. However, if some of the tools were damaged through the worker's negligence, he had to pay for their repair or cost.

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8. [redacted]

9. The workers at the oil fields were well treated. They were given water proof boots, raincoats and caps free of charge: workers who showed efficiency were given a bonus.

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